Eric E. Nunes

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Education

University of Massachusetts Amherst — *Amherst, MA*
Master of Science in Computer Science — *Expected May 2026*
- **GPA:** 3.88
- **Selected Coursework:** Algorithms in Data Science, Information Retrieval, Machine Learning, Natural Language Processing, Reinforcement Learning, Research Methods in Computer Science, Simulation Methods

Texas A&M University — *College Station, TX*
Bachelor of Science in Computer Science; Minors in Mathematics and Statistics — *May 2024*
- **GPA:** 3.83, Magna Cum Laude
- **Selected Coursework:** Artificial Intelligence, Bayesian Statistics, Computer Security, Data Analytics in Cybersecurity, Data Structures, Databases, Information Retrieval, Machine Learning, Software Engineering, Statistical Computing

Experience

Walmart Global Tech — *Sunnyvale, CA*
Data Scientist III Intern — *Jun 2025 - Aug 2025*
- Led the development of an end-to-end product attribute value extraction pipeline using deep-learning models, achieving an exact match percentage of 86% and an F1 score of 80.3%.
- Wrote a custom preprocessing pipeline that processed 20 million product records to a high-quality dataset for fine-tuning named entity recognition (NER) models, evaluating over 4,000 product attributes.

Microsoft — *Redmond, WA*
Software Engineering Intern — *May 2024 - Aug 2024*
- Engineered a workflow for Windows Autopilot deployments extracting summary statistics on hundreds of thousands of entries per week, saving an estimated 500 hours among on-call Microsoft engineers per year.
- Performed privacy engineering and threat modeling on data pipelines by leading team discussions through privacy and security reviews for an internal telemetry logging feature.

Microsoft — *Redmond, WA*
Software Engineering Intern — *May 2023 - Aug 2023*
- Developed a pipeline for an updated setting recommendation system in collaboration with the machine learning team on Microsoft Intune, increasing scope to over 10k settings with 16% reduction in user error.

Texas A&M University Department of Computer Science and Engineering — *College Station, TX*
Peer Teacher, Program Student Coordinator — *Jan 2022 - May 2024*
- Tutored over 50 students in computer science courses per semester with a 95% approval rate.
- Uploaded weekly review sessions to YouTube, netting over 4,000 cumulative views in the first year and over 8,000 lifetime views, including increasing a course's review viewership by over 150% from a previous semester.
- Awarded the 2023 Peer Teaching Excellence Award, given to one peer teacher per year for outstanding achievement.

Projects

Identifying Clusters in NYT Connections [Python] — *Dec 2024 - May 2025*
- Developed a multi-model inference pipeline combining word2vec, a web-based word search API, and a knowledge graph, with LLM-based semantic reasoning for answer validation and re-ranking.
- Achieved a 40% improvement in solve accuracy and 25% improvement in first-round accuracy over baseline LLMs (GPT-4o) by leveraging structured knowledge sources and LLM inferences.
- Won 1st place out of 30+ teams at the university's Machine Learning Club project showcase.

Texas A&M Album of the Week Website [React, PostgreSQL] — *Dec 2022 - May 2024*
- Developed API functions and data pipelines for a website for a student organization to streamline and centralize club activities for a club with approximately 75 active members per semester.
- Automated club tasks among members and officers, saving an estimated 90 hours among officers every year from manual tasks and reducing errors committed by members by approximately 80%.

Skills

- **Programming Languages:** Python, R, Scala, SQL, C++, JavaScript, Java, HTML, CSS, C#, TypeScript
- **Python Libraries:** Scikit-Learn, Pandas, Matplotlib, NLTK, PyTorch, Transformers, TensorFlow, Gymnasium
- **Technologies:** Apache Spark, Postgres, React.js, Node.js, dplyr, tidyverse, Git, Jira, Docker, LaTeX
- **Languages:** English (Fluent, U.S. Citizen), Portuguese (Advanced), Spanish (Intermediate), French (Beginner)